

MODBUS / Yorktalk Points Map


This map applies to all YorkTalk based Chiller Products

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NOTE	COMMUNICATIONS MODE: MODBUS RTU	This document should be submitted with the appropriate YORKTALK Points Listing
1	All the data points that are selected using Quick Start are of the type signed integer. That is, S is set for 3 when the point is X10 and 2 when the point is X1.	
2	In the case of the optional York Talk 2 Slave unit, the Modbus addresses will start in the 0100 range, eg: 0101, 0102, 0103,....etc, scaling will match the Master unit.	
3	York Talk 1 Scaling is entered automatically by the system, the selection of the York Talk 1 option must still however be performed manually by the York technician.	
4	Contact your Local York Controls Representative for the appropriate Chiller YORKTALK Type	
5	Contact your Local York Controls Representative for the appropriate YorkTalk Points Description Listings	
6	If Quickstart address 240 is invoked by the York technician, the scaling values on pages 32 and 33 will effectively change to Divide by 10.(Actually the Range is set to a IN LO= 0 HI=1000, OUT LO=0 HI=100).	
7	Modbus communications default is 9600 baud, EVEN parity, 8 Data, 1 Stop	
8	Remember : The actual actual Modbus address transmitted in the Modbus Message packet = this address - 1)	
9	Function Types: 01= Read Coil Status; 02= Read Input Status; 03 = Read Holding Registers; 04= Read Input Registers; 05= Force Single Coil , 06 =Preset Single Register, 15 = Force Multiple Coils; 16= Reset Multiple R	
10		

ENG Page Ref	Chiller Point Type	Modbus References Supported	Modbus Function Types Supported	Modbus Address	SCALING TABLES BASED ON CHILLER YORKTALK TYPE							YORK TALK POINT LIST DESCRIPTION	
					York Talk 1 Scaling	York Talk 2 1200 Scale Scaling	York Talk 2 4800 Scale Scaling	York Talk 3 YK/ YST Scaling	York Talk 3 YT Scaling	York Talk 3 YS/YR Scaling	York Talk 3 YD Scaling		
			(see note 9)	(see note 2.8)	see notes 3,4,6	(see note 4.6)	(see note 4.6)	(see note 4.6)	(see note 4.6)	(see note 4.6)	(see note 4.6)	(see note 4.6)	(see note 5)
P03	Analog Input	4X	03, 06, 16	0001	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	See appropriate York Talk points listings
P04	Analog Input	4X	03, 06, 16	0002	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	See appropriate York Talk points listings
P05	Analog Input	4X	03, 06, 16	0003	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	See appropriate York Talk points listings
P06	Analog Input	4X	03, 06, 16	0004	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	Div 10	See appropriate York Talk points listings
P07	Digital Input	0X, 4X	01, 03, 05, 15, 06, 16	0061	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P08	Digital Input	0X, 4X	01, 03, 05, 15, 06, 16	0062	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P09	Digital Input	0X, 4X	01, 03, 05, 15, 06, 16	0063	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P10	Digital Input	0X, 4X	01, 03, 05, 15, 06, 16	0064	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P11	Analog Output	3X, 4X	03, 04	0005	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P12	Analog Output	3X, 4X	03, 04	0006	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P13	Analog Output	3X, 4X	03, 04	0007	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P14	Analog Output	3X, 4X	03, 04	0008	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P15	Analog Output	3X, 4X	03, 04	0009	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P16	Analog Output	3X, 4X	03, 04	0010	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P17	Analog Output	3X, 4X	03, 04	0011	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P18	Analog Output	3X, 4X	03, 04	0012	X 10	X 10	X 10	X 1	X 1	X 1	X 1	X 10	See appropriate York Talk points listings
P19	Analog Output	3X, 4X	03, 04	0013	X 10	X 10	X 10	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P20	Analog Output	3X, 4X	03, 04	0014	X 1	X 10	X 10	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P21	Analog Output	3X, 4X	03, 04	0015	X 10	X 10	X 10	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P22	Analog Output	3X, 4X	03, 04	0016	X 10	X 10	X 10	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P23	Analog Output	3X, 4X	03, 04	0017	X 10	X 10	X 1	X 1	X 1	X 1	X 1	X 10	See appropriate York Talk points listings
P24	Analog Output	3X, 4X	03, 04	0018	X 1	X 10	X 1	X 1	X 1	X 1	X 1	X 10	See appropriate York Talk points listings
P25	Analog Output	3X, 4X	03, 04	0019	X 10	X 10	X 1	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P26	Analog Output	3X, 4X	03, 04	0020	X 1	X 1	X 10	X 1	X 1	X 1	X 1	X 10	See appropriate York Talk points listings
P27	Analog Output	3X, 4X	03, 04	0021	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P28	Analog Output	3X, 4X	03, 04	0022	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P29	Analog Output	3X, 4X	03, 04	0023	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 10	See appropriate York Talk points listings
P30	Analog Output	3X, 4X	03, 04	0024	X 10	X 10	X 10	X 10	X 10	X 10	X 10	X 1	See appropriate York Talk points listings
P31	Analog Output	3X, 4X	03, 04	0025	X 10	X 1	X 1	X 1	X 1	X 10	X 10	X 1	See appropriate York Talk points listings
P32	Analog Output	3X, 4X	03, 04	0026	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1	See appropriate York Talk points listings
P33	Analog Output	3X, 4X	03, 04	0027	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 1 (see note 6)	X 10	See appropriate York Talk points listings
P34	Analog Output	3X, 4X	03, 04	0028	X 1	X 10	X 10	X 10	X 10	X 10	X 1	X 10	See appropriate York Talk points listings
P35	Analog Output	3X, 4X	03, 04	0029	X 1	X 10	X 10	X 10	X 10	X 10	X 1	X 10	See appropriate York Talk points listings
P36	Digital Output	0X, 1X, 4X	01, 02, 03	0065	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P37	Digital Output	0X, 1X, 4X	01, 02, 03	0066	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P38	Digital Output	0X, 1X, 4X	01, 02, 03	0067	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P39	Digital Output	0X, 1X, 4X	01, 02, 03	0068	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P40	Digital Output	0X, 1X, 4X	01, 02, 03	0069	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P41	Digital Output	0X, 1X, 4X	01, 02, 03	0070	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P42	Digital Output	0X, 1X, 4X	01, 02, 03	0071	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings

ENG Page Ref	Chiller Point Type	Modbus Data Types Supported	Modbus Functions Supported	Modbus Address	York Talk 1 Scaling	York Talk 2 1200 Scale Scaling	York Talk 2 4800 Scale Scaling	York Talk 3 YK Scaling	York Talk 3 YT Scaling	York Talk 3 YS/YR Scaling	York Talk 3 YS Scaling	YORK TALK POINT LIST DESCRIPTION
				(see note 2)	see notes 3,4	(see note 4)	(see note 4)	(see note 4)	(see note 4)	(see note 4)	(see note 4)	(see note 5)
P43	Digital Output	0X, 1X, 4X	01, 02, 03	0072	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P44	Digital Output	0X, 1X, 4X	01, 02, 03	0073	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P45	Digital Output	0X, 1X, 4X	01, 02, 03	0074	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P46	Digital Output	0X, 1X, 4X	01, 02, 03	0075	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P47	Digital Output	0X, 1X, 4X	01, 02, 03	0076	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P48	Digital Output	0X, 1X, 4X	01, 02, 03	0077	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P49	Digital Output	0X, 1X, 4X	01, 02, 03	0078	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P50	Digital Output	0X, 1X, 4X	01, 02, 03	0079	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P51	Digital Output	0X, 1X, 4X	01, 02, 03	0080	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P52	Digital Output	0X, 1X, 4X	01, 02, 03	0081	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P53	Digital Output	0X, 1X, 4X	01, 02, 03	0082	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P54	Digital Output	0X, 1X, 4X	01, 02, 03	0083	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P55	Digital Output	0X, 1X, 4X	01, 02, 03	0084	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P56	Analog Output	3X, 4X	03, 04	0030	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P57	Analog Output	3X, 4X	03, 04	0031	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P58	Analog Output	3X, 4X	03, 04	0032	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P59	Analog Output	3X, 4X	03, 04	0033	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P60	Analog Output	3X, 4X	03, 04	0034	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P61	Analog Output	3X, 4X	03, 04	0035	X 1	X 10	X 1	X 10	X 10	X 10	X 1	See appropriate York Talk points listings
P62	Analog Output	3X, 4X	03, 04	0036	X 1	X 10	X 1	X 10	X 10	X 10	X 1	See appropriate York Talk points listings
P63	Analog Output	3X, 4X	03, 04	0037	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P64	Analog Output	3X, 4X	03, 04	0038	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P65	Analog Output	3X, 4X	03, 04	0039	X 1	X 1	X 1	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P66	Analog Output	3X, 4X	03, 04	0040	X 1	X 1	X 10	X 1	X 1	X 10	X 10	See appropriate York Talk points listings
P67	Analog Output	3X, 4X	03, 04	0041	X 1	X 1	X 10	X 1	X 1	X 10	X 10	See appropriate York Talk points listings
P68	Analog Output	3X, 4X	03, 04	0042	X 1	X 10	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P69	Analog Output	3X, 4X	03, 04	0043	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P70	Analog Output	3X, 4X	03, 04	0044	X 1	X 1	X 10	X 10	X 10	X 10	X 1	See appropriate York Talk points listings
P71	Analog Output	3X, 4X	03, 04	0045	X 1	X 1	X 10	X 10	X 10	X 10	X 1	See appropriate York Talk points listings
P72	Analog Output	3X, 4X	03, 04	0046	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P73	Analog Output	3X, 4X	03, 04	0047	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P74	Analog Output	3X, 4X	03, 04	0048	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P75	Analog Output	3X, 4X	03, 04	0049	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P76	Analog Output	3X, 4X	03, 04	0050	X 1	X 10	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P77	Analog Output	3X, 4X	03, 04	0051	X 1	X 10	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P78	Analog Output	3X, 4X	03, 04	0052	X 1	X 10	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P79	Analog Output	3X, 4X	03, 04	0053	X 1	X 1	X 10	X 1	X 1	X 1	X 1	See appropriate York Talk points listings
P80	Digital Output	0X, 1X, 4X	01, 02, 03	0085	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P81	Digital Output	0X, 1X, 4X	01, 02, 03	0086	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P82	Digital Output	0X, 1X, 4X	01, 02, 03	0087	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P83	Digital Output	0X, 1X, 4X	01, 02, 03	0088	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings
P84	Digital Output	0X, 1X, 4X	01, 02, 03	0089	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See appropriate York Talk points listings

LINE UP WITH YORK TALK POINTS LISTING BY ENG PAGE # 
ENG
Page
Ref
P03
P04
P05
P06
P07
P08
P09
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32
P33
P34
P35
P36
P37
P38
P39
P40
P41
P42

ENG Page Ref
P43
P44
P45
P46
P47
P48
P49
P50
P51
P52
P53
P54
P55
P56
P57
P58
P59
P60
P61
P62
P63
P64
P65
P66
P67
P68
P69
P70
P71
P72
P73
P74
P75
P76
P77
P78
P79
P80
P81
P82
P83
P84